

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-267879

(43)Date of publication of application : 01.11.1990

(51)Int.Cl.

H01R 13/719

(21)Application number : 01-089326

(71)Applicant : FUJITSU LTD

(22)Date of filing : 07.04.1989

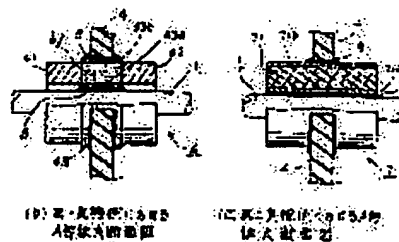
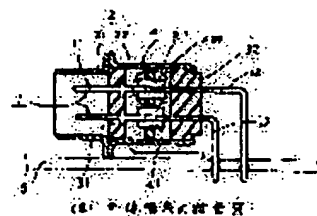
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(54) CONNECTOR

(57)Abstract:

PURPOSE: To obtain a smaller connector and improved noise signal shut-out characteristics by member cementing a single filter element to a contact with both capacitance and inductance elements provided on the single filter element of the connector.

CONSTITUTION: Each of multiple contacts 1 is made up of a male-side contacting portion 12 which is inserted into its mating side, a terminal portion 12 which is bent in the shape of an 'L' and is connected to a printed circuit board, etc., and a locking portion that extends between them. These contacts are embedded in insulators 31, 32 at a prescribed pitch, and are surrounded by a metallic shell 2. An earth plate 4 is held between the front shell 21 and the rear shell 22 of the shell 2. The earth plate 4 is provided with a metal plate of a specified thickness in which an opening portion 41 is formed that penetrates and holds a filter element 6, 7 attached to each contact, or with a ceramic plate which has a conductor pattern printed and baked on one side of it which includes the inner surface of the penetrating hole 41. The element 6, 7 provides a filter circuit made up of both capacitance and inductance elements.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of

rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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